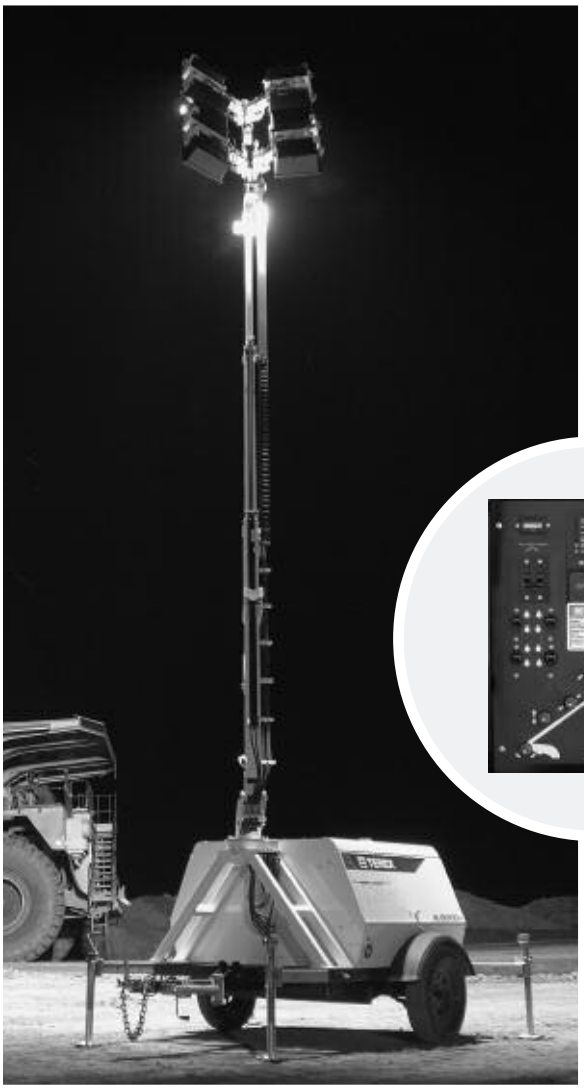
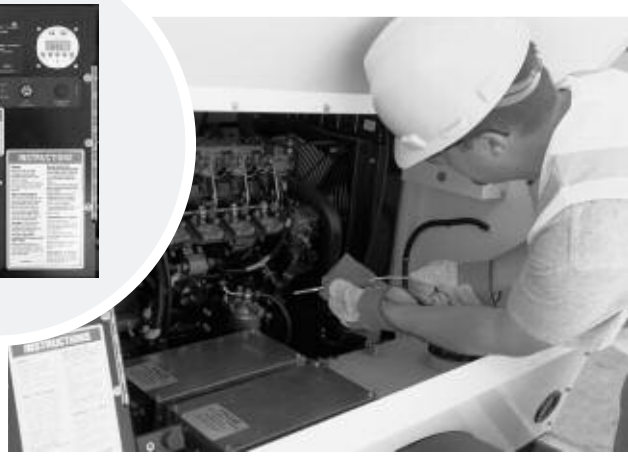
TEREX®

AL8000 HT

Light Tower

LIGHT TOWER AL8000 HT





The unique articulated hydraulic mast is ideal for the mining industry, as well as use on railroad, municipal and large construction sites.

Models shown with optional 8 light configuration. Standard configuration features 4 lights.

Specifications

Articulated hydraulic mast provides maximum flexibility and control for quick, effortless light positioning.	Individual plug-in ballasts installed in galvanized steel boxes. Can be replaced without disconnecting wiring terminals.
28 foot vertical height, 20 foot horizontal outreach and 359 degree powered rotation.	Control panel is inside, away from the elements. Houses main and branch circuit breakers and hourmeter.
8 foot 2 inch stowed length provides for ease of transport for towing or transportation on a trailer or container.	Galvanized outriggers with pre-set position stops ensure quick and proper spacing.
Optional environmental spill containment to meet local regulations or for use in sensitive areas.	Single point lifting eye and forklift pockets provide for easy loading and unloading.
Light fixtures plug into weatherproof receptacle box at top of tower with UL and CSA-approved connectors.	Optional Australian mining configuration designed specifically to meet Australian regulations and mining application requirements.

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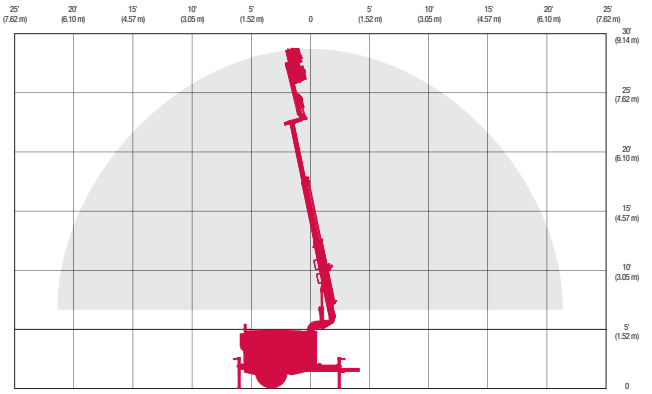
Specifications - Standard Unit

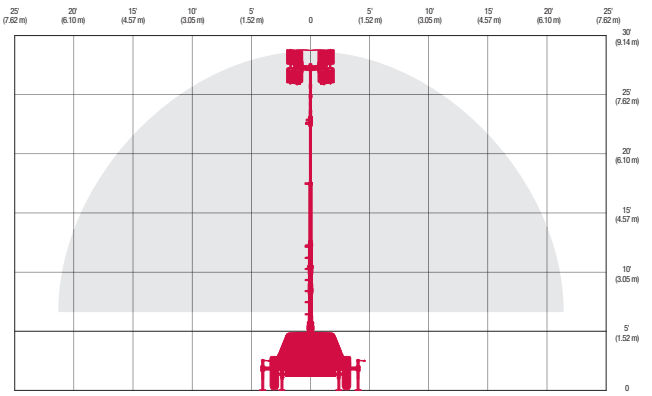
Lamps	Metal Halide 4 x 1,000 W
Generator	Brushless 60 Hz, 8.0 kW
Mast Rotation	359° powered rotation
Light Bar Tilt	180°
Individual Light Pivot	180° front-to-back, 360° side-to-side
Engine	Kubota Diesel 13.6 hp
Fuel Capacity	30 gal (114 L)
Wheel Size	15 in (38 cm)
Axle Rating	4,200 lbs (1,905 kg)
Tongue weight travel position	375 lbs (170 kg)
Total weight no fuel	2,605 lbs (1,185 kg)

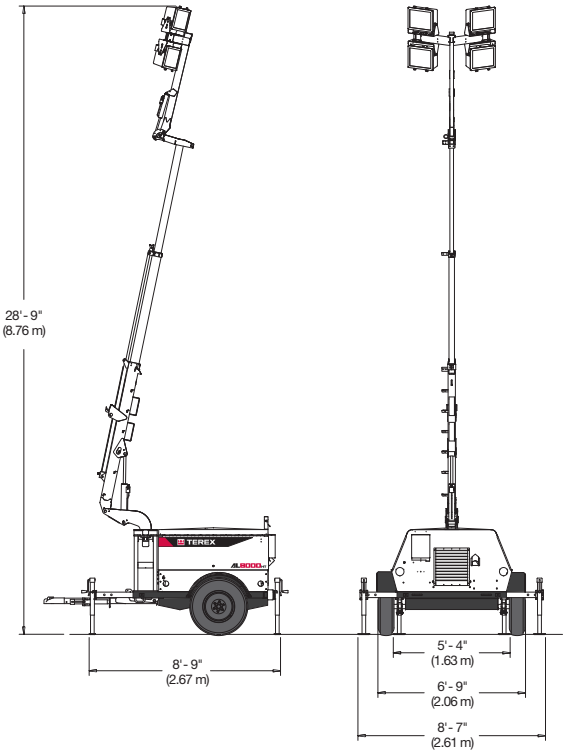
Optional Equipment

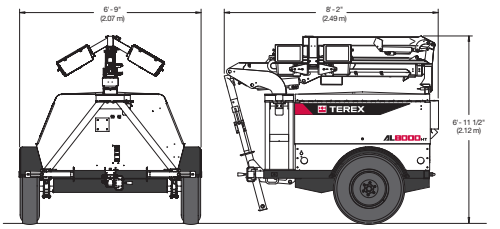
Metal Halide 8 x 1,000 W lamps	Tough coat paint
Brushless 60 Hz, 20 kW generator	Combination ring/ball hitch
Brushless 60 Hz, 12 kW generator	Tail light package
Isuzu Diesel 34.5 hp engine	Block heater
60 gal (228 L) fuel capacity	Fuel line heater
Environmental spill containment	Roda Deaco air shutdown system

Dimensions









TEREX®

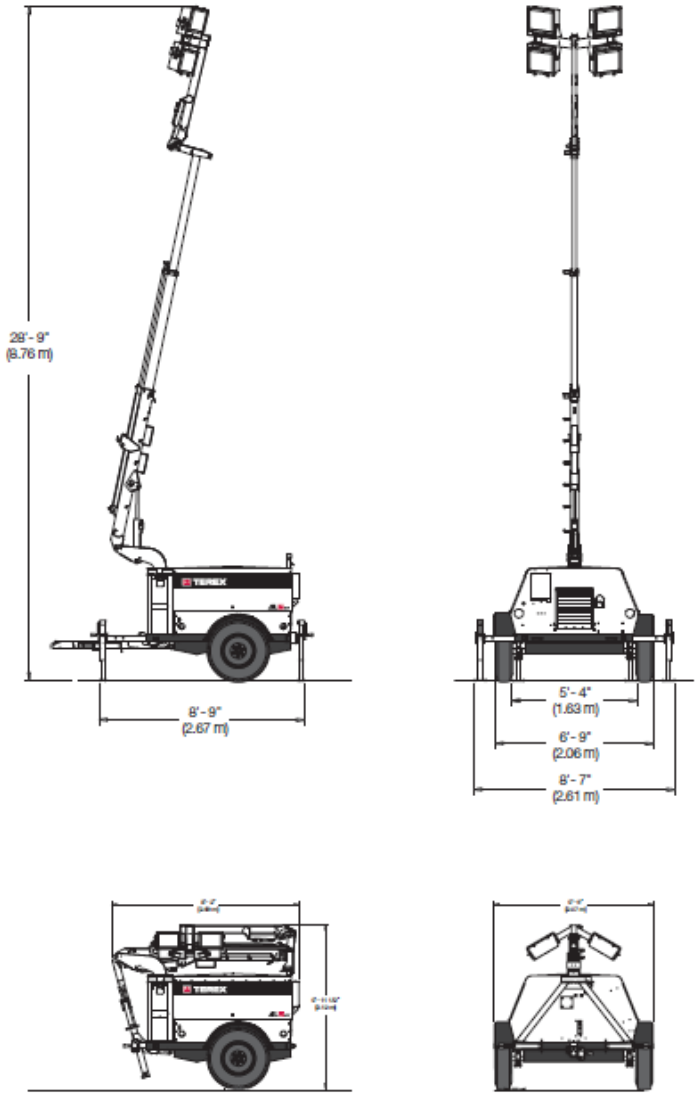
SUSTAINABLE LIGHTING LLC

Light Towers USA
America's Largest Mobile Light Center

Distributed by Light Towers USA - A Turnkey Electric LLC Company
1 (800) 975-5977 www.lighttowers.net | www.ledlighttower.net

Effective Date: January, 2009. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and we make no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation, Genie Industries, Inc. and/or their subsidiaries in the U.S.A. and many other countries and all rights are reserved. Terex is a Registered Trademark of Terex Corporation in the U.S.A. and many other countries. Genie is a Registered Trademark of Genie Industries, Inc. in the U.S.A. and many other countries. Genie is a Terex Company. © 2009 Terex Corporation.

TEREX AL™5HT



ENGINE

- Kubota® D1105 - liquid cooled, diesel engine
  - Standby – 15.4 hp @ 1800 rpm
  - Prime – 13.5 hp @ 1800 rpm
  - 3 cylinder
  - 1.123 L displacement
- Fuel consumption (prime) ~ 0.5 gph
- 60 Hz engine/generator
- Industrial engine exhaust system
- Rubber vibration dampers isolate engine/generator from frame
- Cooling system capable of operating at 120°F ambient
- Full flow oil filter, spin on type
- Fuel filter with replaceable element
- Dry type cartridge air filter
- Polyethylene fuel tank with large diameter opening
  - 30 gal. capacity
  - 60 hr. run capacity
  - 3 ½” fill port

ENGINE CONTROLS

- Galvanized control panel located inside cabinet
- Four position keyed switch – glow plugs (preheat, off, run, start)
- Hour meter
- Automatic low oil/high temperature shutdown system

GENERATOR

- Marathon Electric
  - Brushless
- 8 kW standby output
- 120/240 VAC – 20/30A
- +/-6% capacitor voltage regulation

ELECTRICAL SYSTEM AND CONTROLS

- Individual floodlight circuits with 15A breakers
- Hydraulic tower controls located inside cabinet
- 30A start limit breaker (assures no load condition exists before starting)
- Standard individually breakered convenience outlets:
  - (1) 120 VAC 20 Amp GFCI duplex outlets (Nema 5-20R type)
  - (1) 240 VAC 30 Amp twistlock outlets (Nema L6-30R type)
- 700 CCA wet cell battery

FLOODLIGHTS

- Four light fixtures – 1000 watts each - metal halide
- Quick adjust cast aluminum square housing with horizontally mounted bulbs
- Tempered glass lens
- Silicone gaskets for moisture and dust protection
- Individual floodlight On/Off switches

WIRING

- All wiring is sized to the amperage draw required
- AC & DC wiring diagrams are provided in service manual

MAST

- 28’ articulated hydraulic mast with 20’ of outreach
- 359° of powered rotation
- Mast cable track to manage electrical cables
- Equipped with single lifting eye and fork pockets

ENCLOSURE

- Steel enclosure – 14-gauge
    - UV& fade resistant, high temperature cured, white polyester powder paint
- Dome light with switch, 12V
- English, English/French, or symbol operating/safety decals
- License plate holder with light
- Manual holder with operating manual

TRAILER

- Mast support – 3” x 2” x 3.16” tubular steel A-frame
- Removable / flip up tongue – 46.75” long
- Tubular steel chassis – 2.5” x 3/16”
- Four, 3000 lb. adjustable leveling jacks – 4 point stance
- All jacks transport and lock in horizontal position for storage
- Side outriggers - 8’ 2.5” span
- Safety chains with s-hooks
- 2” ball hitch
- Steel fenders – 16 gauge
- DOT approved tail, side, brake, and directional lights
    - Recessed rear and side lights
- 4200 lb. leaf spring axle
- P205/75L15 tires
- 73” axle span

WEIGHTS & DIMENSIONS

- Dry weight: 2,650 lbs (1,182 kg)
- Mast stowed: 98 x 83.5 x 81 in (2.49 x 2.12 x 2.07 m)

WARRANTY

- 1 year parts and service
- Engine and generator covered under OEM warranty – consult factory for details.

CERTIFICATIONS

- CSA certified

Options

CHASSIS OPTIONS

- 30 gal fuel tank with spill containment
- 60 gal fuel tank
- 60 gal fuel tank with spill containment
- Highway safety chains w/ snap hook
- Hitch, 2 1/2 in Ring
- Hitch, 2 5/16 in Ball
- Hitch, Combination Ring and Ball
- Spare tire and wheel
- Tough coat paint surface: cabinet and trailer front
- Trailer brakes, electric
- Trailer brakes, Hydraulic surge: must specify either ring or ball hitch

ENGINE OPTIONS

- 12 kW, 60 Hz generator with 16.3 hp Kubota diesel
- 20 kW, 60 Hz generator, include external receptacle package, and 2 ea. 20A/12V GFI & 3 ea. 30A/240V T/L
- Auto-Start
- Mechanical automatic air shutdown
- Fuel/water separator filter
- Fuel/water separator with fuel line heater

TOWER OPTIONS

- 6 metal halide lights
- 8 metal halide lights: only available with 12kW or 20 kW engine option
- Tower Lock kit

COLD WEATHER OPTIONS

- 1000 CCA battery
- Battery heater blanket
- Engine block heater
- Low temperature coolant mixture (-40° F)